

**What Is Claimed Is:**

1. A computer management system having an object  
computer, a storage system in which data to be communicated  
to the object computer is stored, and a management computer  
5 that manages the storage system and object computer.

wherein:

    said storage system comprises:

    an acquisition unit for acquiring first connection  
    information, which contains a communication port identifier  
10 of said object computer, and a communication port  
    identifier assigned to the communication port of said  
    storage system, from said object computer; and

    a communication unit for transmitting said first  
    connection information to said management computer; and

15       said management computer comprises:

    a communication unit for receiving said first  
    connection information from said storage system; and

    a display that uses an output screen to visualize  
    connection relationships between said storage system and  
20     computer on the basis of said first connection information.

2. A computer management system according to Claim 1,  
    wherein said first connection information further contains  
    information representing a communications protocol adopted  
25     for data communication between connected communication

ports or information representing a state of a communications link between communication ports.

3. A computer management system according to Claim 1  
5 or 2, wherein said acquisition unit included in said storage system acquires said first connection information when a data communications link is established between the communication ports of said computer and said storage system respectively.

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4. A computer management system according to Claim 1 or 2, further comprising an interconnection device connected to each of said object computer and said storage system, wherein:

15 said acquisition unit included in said storage system acquires said first connection information and said second connection information representing the connection relationships between said object computer and storage system from said interconnection device;

20 said communication unit included in said storage system transmits both said first connection information and said second connection information to said management computer;

25 said communication unit included in said management computer receives both said first connection information

and said second connection information from said storage system; and

    said display included in said management computer uses the output screen thereof to visualize the connection relationships among said storage system, said computer, and said interconnection device on the basis of said first connection information and said second connection information.

10         5. A computer management system according to Claim 1 or 2, further comprising an interconnection device connected to each of said object computer and said storage system, wherein:

15         said management computer further comprises an acquisition unit that acquires second connection information, which represents the connection relationships between said object computer and said storage system, from said interconnection device; and

20         said display uses the output screen thereof to visualize the connection relationships among said storage system, said computer, and said interconnection device on the basis of said first connection information and said second connection information.

25         6. A computer management system according to Claim 1,

wherein when the connection relationships between said storage system and said computer have changed, said display included in said management computer uses the output screen thereof to visualize the connection relationships between 5 said storage system and said computer on the basis of said first connection information that has been modified.

7. A computer management system according to Claim 1, wherein:

10 said management computer includes a user interface via which a user-entered value is received; and  
said display included in said management computer uses the output screen thereof to visualize the connection relationships between said storage system and said computer  
15 on the basis of said entered value and said first connection information.

8. A storage system which has a plurality of communication ports and in which data to be communicated to 20 an object computer through one of the communication ports is stored, comprising:

an acquisition unit for acquiring first connection information, which contains a communication port identifier of said object computer, and a communication port 25 identifier assigned to the communication port of said

storage system, from said object computer; and  
a communication unit for transmitting said first  
connection information to a management computer.

5        9. A management computer for managing an object  
computer and a storage system in which data to be  
communicated to the object computer is stored, comprising:

      a communication unit for receiving first connection  
information, which contains a communication port identifier  
10      of said object computer, and a communication port  
identifier assigned to the communication port of said  
storage system, from said storage system; and  
      a display that uses an output screen thereof to  
visualize connection relationships between said storage  
15      system and said computer on the basis of said first  
connection information.

10       10. A management method for managing connection  
relationships between an object computer and a storage  
20      system in which data to be communicated to the object  
computer is stored, comprising the steps of:

      acquiring first connection information, which contains  
a communication port identifier of said object computer,  
and a communication port identifier assigned to the  
25      communication port of said storage system, from said object

computer; and

transmitting said first connection information to a management computer.

5        11. A management method for managing connection relationships between an object computer and a storage system in which data to be communicated to the object computer is stored, comprising the steps of:

10      receiving first connection information, which contains a communication port identifier of said object computer, and a communication port identifier assigned to the communication port of said storage system, from said storage system; and

15      using an output screen to visualize the connection relationships between said storage system and said object computer on the basis of said first connection information.

20       12. Management software for managing connection relationships between an object computer and a storage system in which data to be communicated to the object computer is stored, wherein:

25      said management software allows said storage system to act as:

means for acquiring first connection information, which contains a communication port identifier of said

object computer, and a communication port identifier assigned to the communication port of said storage system, from said object computer; and means for transmitting said first connection information to a management computer.

13. A management program for managing connection relationships between an object computer and a storage system in which data to be communicated to the object computer is stored, wherein:

said management program allows a management computer to act as:

means for receiving first connection information, which contains a communication port identifier of said object computer, and a communication port identifier assigned to the communication port of said storage system, from said storage system; and

means for using an output screen to visualize the connection relationships between said storage system and said object computer on the basis of said first connection information.